INTERNATIONAL SEARCH REPORT

International Application No PCT/EP 03/50881

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04B7/26 H04Q7/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC $7 \quad H04B \quad H04Q$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	EP 1 359 776 A (NORTEL NETWORKS LTD) 5 November 2003 (2003-11-05)	5,13
Υ	abstract column 1, line 3 - column 7, line 9 column 8, line 26 - column 12, line 19 column 13, line 4 - line 22 figures 3-5	3,4, 6-12,14
Y A	WO 99/50972 A (NOKIA TELECOMMUNICATIONS OY; AHMAVAARA KALLE (FI); KEKKI SAMI (FI)) 7 October 1999 (1999-10-07) page 2, line 38 - page 4, line 26 page 5, line 10 - page 7, line 26 page 8, line 19 - line 35 page 10, line 24 - line 28 figures 2,3	3,4,12
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.		
Special categories of cited documents: A document defining the general state of the art which is not considered to be of particular relevance E earlier document but published on or after the international filing date L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O document referring to an oral disclosure, use, exhibition or other means P document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 		
Date of the actual completion of the international search	Date of mailing of the international search report		
16 August 2004	30/08/2004		
Name and mailing address of the ISA	Authorized officer		
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Moreno-Solana, S-F		

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